

सतत विकास लक्ष्य

15 थलीय जीवों की सुरक्षा



थलीय जीवों की सुरक्षा Life on Land

(स्थलीय पारिस्थितिकी-तंत्रों का संरक्षण और पुनरुद्धार करना और इनके सतत उपयोग को बढ़ावा देना, वनों का सतत तरीके से प्रबन्धन करना, मरुस्थल-रोधी उपाय करना, भूमि अवक्रमण को रोकना और प्रतिवर्तित करना और जैव विविधता की हानि को रोकना।)

नोडल विभाग
वन विभाग

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Part-1:- List of Indicators

Goal-15

Indicator No.	GIF Alignment	Indicator No. in the MoSPI framework (Exact Match)	Indicator No. in the MoSPI framework (Alignment)	Indicator	Unit	Level (SIF/DIF)	Periodicity	Lead Department	Data source
1	15.1.1	15.1.1		Forest cover as a percentage of total geographical area	Percentage	State	2 years	Forest Department	Forest Survey of India
2	15.1	15.1.2		Protected area as percentage of total geographical area	Percentage	State	2 years	Forest Department	Forest Survey of India
3	15.2		15.2.1	Tree cover as a percentage of total geographical area	Percentage	State	2 years	Forest Department	Forest Survey of India
4	15.1	15.1.3		Area of Ramsar sites as a percentage of total wetland area	Percentage	State	Annual	Forest Department	Forest Department
5	15.2		15.2.1	Percentage change in Forest Area coverage	Percentage	State	2 years	Forest Department	Forest Survey of India
6	15.2		15.2.1	Number of Saplings (Crore) Planted	Number	District	Annual	Forest Department	Forest Department
7	15.3.1	15.3.1		Proportion of land that is degraded over total land area	Proportion	District	Annual	Agriculture	Agriculture
8	15.7		15.7.1	Number of cases under Wildlife Protection Act (1972) per million hectares of protected area	Ratio	State	Annual	Forest Department	Forest Survey of India
9	15.2		15.2.1	Percentage of area covered under afforestation schemes to the total geographical area	Percentage	State	annual	Forest Department	Forest Survey of India
10	15.2		15.2.1	Percentage change in carbon stock in forest cover	Percentage	State	2 years	Forest Department	Forest Survey of India
11	15.3		15.3.1	Percentage increase in area of desertification	Percentage	State	5 years	Forest Department	Desertification and Land Degradation Atlas of India

Part-2:- Data Sheet

Numbers of Indicators in NIF-2019	Numbers of Indicators in NIF-2023	National Value is available	Number of indicators in State	State value is available
21	14	14	11	11

Number of Indicators = 11

Outcome Indicators = 08

Output Indicators = 03

Process Indicators = 00

DATA SHEET						
Sl. No.	Indicator Code	State Indicator Name	Year	State Value	State Target	National Value
1	15.1.1	Forest cover as a percentage of total geographical area				
		<i>Lead Department-Forest Department</i>	2015	6.00		21.35
		<i>Source-Forest Survey of India</i>	2017	6.09		21.54
		<i>Unit-Percentage</i>	2019	6.15		21.67
		NIF - Exact	2021	6.15		21.71
		Type of indicator- Outcome				
2	15.1.2	Protected area as percentage of total geographical area				
		<i>Lead Department-Forest Department</i>	2015	2.608		5.07
		<i>Source-Forest Survey of India</i>	2016	2.609		5.08
		<i>Unit-Percentage</i>	2017	2.609		5.13
		NIF - Exact	2018	2.609		5.17
		Type of indicator- Outcome	2019	2.609		5.23
			2020	2.622		5.23
			2021	2.622		5.26
	2022	2.600		5.28		
3	15.1.3	Area of Ramsar sites as a percentage of total wetland area				
		<i>Lead Department-Forest Department</i>	2015	2.13		
		<i>Source-Forest Survey of India</i>	2016	2.13		4.15
		<i>Unit-Percentage</i>	2017	2.13		4.15
		NIF - Exact	2018	2.13		4.15
		Type of indicator- Outcome	2019	2.13		7.00
			2020	2.36		7.09
			2021	2.39		7.14
	2022	3.18		8.69		
4	15.2.1	Tree cover as a percentage of total geographical area				
		<i>Lead Department-Forest Department</i>	2015-16	2.92		
		<i>Source-Forest Survey of India</i>	2016-17			
		<i>Unit-Percentage</i>	2017-18	3.09		
		NIF - Aligned	2018-19			
		Type of indicator- Outcome	2019-20	3.05		
			2020-21			
			2021-22	3.08		
	2022-23					
5	15.2.1	Percentage change in Forest Area coverage				
		<i>Lead Department-Forest Department</i>	2015-16	1.93		
		<i>Source-Forest Survey of India</i>	2016-17			
		<i>Unit-Percentage</i>	2017-18	0.87		
		NIF - Aligned	2018-19			
		Type of indicator- Outcome	2019-20			
			2020-21			
			2021-22			
	2022-23					
6	15.2.1	Number of Saplings (Crore) Planted				
		<i>Lead Department-Forest Department</i>	2015-16	5.75	5	
		<i>Source-Forest Survey of India</i>	2016-17	6.17	6	
		<i>Unit-Number</i>	2017-18	5.72	6.54	
		NIF - Aligned	2018-19	11.76	11	
		Type of indicator- Output	2019-20	22.59	22	
			2020-21	22.87	25	
			2021-22	30.57	30	
	2022-23	35.49	35			

7	15.2.1	Percentage of area covered under afforestation schemes to the total geographical area				
		<i>Lead Department-Forest Department</i>	2015-16	0.18		
		<i>Source-Forest Survey of India</i>	2016-17	0.19		
		<i>Unit-Percentage</i>	2017-18	0.18		
		NIF - Aligned	2018-19	0.37		
		Type of indicator- Output	2019-20	0.71		
			2020-21	0.81		
			2021-22	0.96		
		2022-23	0.81			
8	15.2.1	Percentage change in carbon stock in forest cover				
		<i>Lead Department-Forest Department</i>	2015-16			
		<i>Source-Forest Survey of India</i>	2016-17			
		<i>Unit-Percentage</i>	2017-18			
		NIF - Aligned	2018-19			
		Type of indicator- Outcome	2019-20			
			2020-21	1.34		
			2021-22			
		2022-23				
9	15.3.1	Percentage increase in area of desertification				
		<i>Lead Department-Forest Department</i>	2015-16			
		<i>Source-Desertification and Land Degradation Atlas of India</i>	2016-17			
		<i>Unit-Percentage</i>	2017-18			
		NIF - Aligned	2018-19	1.35		
		Type of indicator- Outcome	2019-20			
			2020-21			
			2021-22			
		2022-23				
10	15.3.1	Proportion of land that is degraded over total land area				
		<i>Lead Department-Agriculture</i>	2015-16	0.34		
		<i>Source-Agriculture</i>	2016-17			
		<i>Unit-Proportion</i>	2017-18	1.83		27.77
		NIF - Exact	2018-19			
		Type of indicator- Outcome	2019-20	0.98		
			2020-21			
			2021-22			
		2022-23				
11	15.7.1	Number of cases under Wildlife Protection Act (1972) per million hectares of protected area				
		<i>Lead Department-Forest Department</i>	2015-16	98		
		<i>Source-Forest Survey of India</i>	2016-17	100		
		<i>Unit-Ratio</i>	2017-18	31		
		NIF - Aligned	2018-19	30		
		Type of indicator- Output	2019-20	54		
			2020-21	74		
			2021-22	112		
		2022-23	123			

Part 3:- Metadata

Annexure 1: METADATA

Goal	Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss
Target	15.1 By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements
Indicator	Forest cover as a percentage of total geographical area
Unit	Percentage
Periodicity	Biennial (2 years)
Lead Department	Forest
Data Source	Forest Survey of India
Computation approach	Numerator: Recorded forest area Denominator: Total geographical area Multiplier: 100
Type of indicator	Outcome

Goal	Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss
Target	15.1 By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements
Indicator	Protected area as percentage of total geographical area
Unit	Percentage
Periodicity	Biennial (2 years)
Lead Department	Forest
Data Source	Forest Survey of India
Computation approach	Numerator: Total area under National Park, Wild Life Sanctuaries, Conservation Reserves and Community Reserves Denominator: Total Geographic Area Multiplier: 100
Type of indicator	Outcome

Goal	Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss
Target	15.2 By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally
Indicator	Tree cover as a percentage of total geographical area
Unit	Percentage
Periodicity	Biennial (2 years)
Lead Department	Forest
Data Source	Forest Survey of India
Computation approach	Numerator: Tree cover Denominator: Total geographical area Multiplier: 100
Type of indicator	Outcome

Goal	Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss
Target	15.1 By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements
Indicator	Area of Ramsar sites as a percentage of total wetland area
Unit	Percentage
Periodicity	Annual
Lead Department	Forest
Data Source	Forest Department
Computation approach	Numerator: Total area of Ramsar sites Denominator: Total wet land area Multiplier: 100
Type of indicator	Outcome

Goal	Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss
Target	15.2 By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally
Indicator	Percentage change in Forest Area coverage
Unit	Percentage
Periodicity	Biennial (2 years)
Lead Department	Forest
Data Source	Forest Survey of India
Computation approach	Directly from source
Type of indicator	Outcome

Goal	Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss
Target	15.2 By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally
Indicator	Number of Saplings Planted
Unit	in lakhs
Periodicity	Annual
Lead Department	Forest
Data Source	Forest Department
Computation approach	Total number of saplings planted in the reference year
Type of indicator	Output

Goal	Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss
Target	15.3 By 2030, combat desertification, restore degraded land and soil, including land affected by desertification, drought and floods, and strive to achieve a land degradation-neutral world
Indicator	Proportion of land that is degraded over total land area

Unit	Proportion
Periodicity	Annual
Lead Department	Agriculture
Data Source	Agriculture
Computation approach	Numerator: Total land area degraded during the reference year (in hectares) Denominator: Total geographical area (in hectares) Multiplier: 100
Type of indicator	Outcome

Goal	Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss
Target	15.7 Take urgent action to end poaching and trafficking of protected species of flora and fauna and address both demand and supply of illegal wildlife products
Indicator	Number of cases under Wildlife Protection Act (1972) per million hectares of protected area
Unit	Ratio
Periodicity	Annual
Lead Department	Forest
Data Source	Forest Department, Forest Survey of India
Computation approach	Numerator: Number of cases under Wildlife Protection Act (1972) Denominator: Total protected area in million hectares
Type of indicator	Output

Goal	Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss
Target	15.2 By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally
Indicator	Percentage of area covered under afforestation schemes to the total geographical area
Unit	Percentage
Periodicity	Annual
Lead Department	Forest
Data Source	Forest Department, Forest Survey of India
Computation approach	Numerator: Area covered under afforestation schemes (in hectares) Denominator: Total Geographical Area (in hectares) Multiplier: 100
Type of indicator	Output

Goal	Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss
Target	15.2 By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally
Indicator	Percentage change in carbon stock in forest cover
Unit	Percentage
Periodicity	Biennial (2 years)
Lead Department	Forest
Data Source	Forest Survey of India

Computation approach	Directly from source
Type of indicator	Outcome

Goal	Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss
Target	15.3 By 2030, combat desertification, restore degraded land and soil, including land affected by desertification, drought and floods, and strive to achieve a land degradation-neutral world
Indicator	Percentage increase in area of desertification
Unit	Percentage
Periodicity	5 years
Lead Department	Forest
Data Source	Desertification and Land Degradation of Atlas of India
Computation approach	Numerator: Total area under desertification (2018-19)-Total area under desertification (2011-13)Denominator: Total area under desertification (2011-13)Multiplier: 100
Type of indicator	Outcome